

IWG-1

DRAFT**PRELIMINARY VIEWS ON WRC-03**

WRC-2000 Agenda Item 1.33: to review and revise technical, operational and regulatory provisions, including provisional limits in relation to the operation of high altitude platform stations within IMT-2000 in the bands referred to in No. S5.388A, in response to Resolution 221 (WRC-2000);

ISSUE: Resolution 221 asks for additional technical, operational and regulatory studies to be conducted in order to review and, if necessary, revise the provisional pfd limits. Resolution 221 also asks for consideration of appropriate regulatory and technical provisions to allow bilateral coordination of HAPS in IMT-2000 systems with affected neighboring administrations.

BACKGROUND: In footnote S5.388A, WRC-2000 authorized the use of HAPS as base stations to provide International Mobile Telecommunications-2000 (IMT-2000), in accordance with Resolution 221. In Regions 1 and 3, the bands 1 885-1 980 MHz, 2 010-2 025 MHz and 2 110-2 170 MHz and, in Region 2, the bands 1 885-1 980 and 2 110-2 160 MHz may be used by high altitude platform stations. The use of HAPS as base stations within the terrestrial component of IMT-2000 is optional for administrations and does not preclude the use of these bands by any station in the services to which they are allocated and does not establish priority in the Radio Regulations. Resolution 221 from WRC-2000 resolves that HAPS shall not exceed provisional co-channel power flux-density limits to protect IMT-2000 stations in neighboring countries and out-of-band power flux-density limits to protect fixed stations. Canada is currently conducting a study to determine the compatibility of HAPS within IMT-2000 with MMDS in the 2150-2160 MHz band in Region 2. Therefore, the impact of the provisional limits on the operation of MMDS systems is not clear at this time.

PRELIMINARY VIEW:

Depending upon the results of the ITU-R studies, new procedures and/or revisions to the provisional PFD limits may need to be incorporated in the Radio Regulations to allow for the coordination, with neighboring Administrations, of a HAPS platform operating as a base station. (April 18th, 2001)
